

## Base strip - DFK-IPC 16/ 3-GFU-SH-10,16 - 1702905

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Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 3, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Soldering



The figure shows a 5-pos. version of the product

### Why buy this product

- Panel thickness of 1 mm to 3 mm
- Inverted feed-through headers for implementing a touch-proof PCB output (in combination with IPC 16 ST)
- Tool-free snap-lock mechanism or conventional screw connection
- For soldering onto the PCB



### Key commercial data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	 4 046356 031493
Weight per Piece (excluding packing)	14.85 g
Custom tariff number	85366990
Country of origin	Poland
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Length	34.55 mm
Height	22 mm
Pitch	10.16 mm
Dimension a	20.32 mm
Pin dimensions	0,8 x 1,2
Pin spacing	10.16 mm
Hole diameter	1.7 mm

#### General

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## Technical data

### General

Range of articles	DFK-IPC 16/...GFU-SH
Insulating material group	I
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	76 A
Maximum load current	76 A
Insulating material	PA
Inflammability class according to UL 94	V0
Color	green
Number of positions	3

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27141190
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440402

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC001283

### UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

## Approvals

### Approvals

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## Approvals

### Approvals

UL Recognized / SEV / cUL Recognized / CCA / EAC / IEC60947-2 / IEC60947-3 / IEC60947-4 / IEC60947-5-1 / IEC60947-5-2 / IEC60947-5-3 / IEC60947-5-4 / IEC60947-5-5 / IEC60947-5-6 / IEC60947-5-7 / IEC60947-5-8 / IEC60947-5-9 / IEC60947-5-10 / IEC60947-5-11 / IEC60947-5-12 / IEC60947-5-13 / IEC60947-5-14 / IEC60947-5-15 / IEC60947-5-16 / IEC60947-5-17 / IEC60947-5-18 / IEC60947-5-19 / IEC60947-5-20 / IEC60947-5-21 / IEC60947-5-22 / IEC60947-5-23 / IEC60947-5-24 / IEC60947-5-25 / IEC60947-5-26 / IEC60947-5-27 / IEC60947-5-28 / IEC60947-5-29 / IEC60947-5-30 / IEC60947-5-31 / IEC60947-5-32 / IEC60947-5-33 / IEC60947-5-34 / IEC60947-5-35 / IEC60947-5-36 / IEC60947-5-37 / IEC60947-5-38 / IEC60947-5-39 / IEC60947-5-40 / IEC60947-5-41 / IEC60947-5-42 / IEC60947-5-43 / IEC60947-5-44 / IEC60947-5-45 / IEC60947-5-46 / IEC60947-5-47 / IEC60947-5-48 / IEC60947-5-49 / IEC60947-5-50 / IEC60947-5-51 / IEC60947-5-52 / IEC60947-5-53 / IEC60947-5-54 / IEC60947-5-55 / IEC60947-5-56 / IEC60947-5-57 / IEC60947-5-58 / IEC60947-5-59 / IEC60947-5-60 / IEC60947-5-61 / IEC60947-5-62 / IEC60947-5-63 / IEC60947-5-64 / IEC60947-5-65 / IEC60947-5-66 / IEC60947-5-67 / IEC60947-5-68 / IEC60947-5-69 / IEC60947-5-70 / IEC60947-5-71 / IEC60947-5-72 / IEC60947-5-73 / IEC60947-5-74 / IEC60947-5-75 / IEC60947-5-76 / IEC60947-5-77 / IEC60947-5-78 / IEC60947-5-79 / IEC60947-5-80 / IEC60947-5-81 / IEC60947-5-82 / IEC60947-5-83 / IEC60947-5-84 / IEC60947-5-85 / IEC60947-5-86 / IEC60947-5-87 / IEC60947-5-88 / IEC60947-5-89 / IEC60947-5-90 / IEC60947-5-91 / IEC60947-5-92 / IEC60947-5-93 / IEC60947-5-94 / IEC60947-5-95 / IEC60947-5-96 / IEC60947-5-97 / IEC60947-5-98 / IEC60947-5-99 / IEC60947-5-100

### Ex Approvals

### Approvals submitted

### Approval details

UL Recognized			
	B	C	D
Nominal current IN	55 A	55 A	5 A
Nominal voltage UN	300 V	300 V	600 V

SEV	
Nominal current IN	76 A
Nominal voltage UN	1000 V

cUL Recognized			
	B	C	D
Nominal current IN	55 A	55 A	5 A
Nominal voltage UN	300 V	300 V	600 V

CCA	
Nominal current IN	76 A
Nominal voltage UN	1000 V

EAC
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## Approvals

IECEE CB Scheme	
Nominal current I <sub>N</sub>	76 A
Nominal voltage U <sub>N</sub>	1000 V

cULus Recognized	
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## Accessories

### Accessories

#### Coding element

Coding profile - CP-PC RD - 1701967



Coding profile, for plugging into the coding ribs of the plug at a later date, insulating material, color: Red

Accessories - CS-IPC 16/ 6 - 1970016



Coding pin, serves to ensure correct polarization on the PCB during manual mounting

## Mounting material

Accessories - DFK-PC 16-SS - 1705449



Screw set for DFK-PC 16... connectors

## Screwdriver tools

## Base strip - DFK-IPC 16/ 3-GFU-SH-10,16 - 1702905

### Accessories

Screwdriver - SZK PH1 VDE - 1205150



Screwdriver, PH crosshead, VDE insulated, size: PH 1 x 80 mm, 2-component grip, with non-slip grip

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Screwdriver - SZS 0,6X2,5 VDE - 1205040



Screwdriver, slot-headed, VDE insulated, size: 0.6 x 2.5 x 80 mm, 2-component grip, with non-slip grip

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### Additional products

Printed-circuit board connector - IPC 16/ 3-STF-10,16 - 1969467



Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 3, Pitch: 10.16 mm, Connection method: Screw connection, Color: green, Contact surface: Silver

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Printed-circuit board connector - IPC 16/ 3-STF-SH-10,16 - 1737323



Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 3, Pitch: 10.16 mm, Connection method: Screw connection, Color: green, Contact surface: Silver

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Printed-circuit board connector - ISPC 16/ 3-STF-10,16 - 1748639



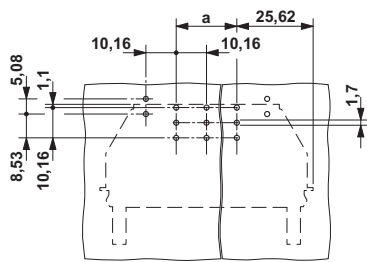
Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 3, Pitch: 10.16 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Silver

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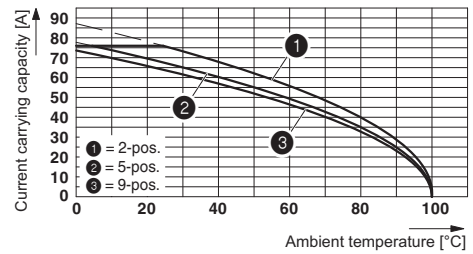
### Drawings

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Drilling diagram

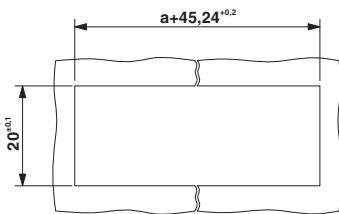


Diagram



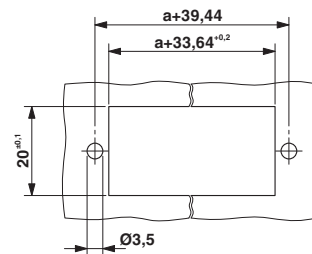
The illustration shows the derating curve for DFK-IPC 16/..-G-10,16 inverted plugs in combination with the inverted header IPC 16/..-ST-10,16.

Dimensioned drawing



Sheet metal cutout for snap-on.

Dimensioned drawing



Sheet metal cutout for screw connection.

Dimensioned drawing

